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Futura Coatings,  
Inc.  
ATTN: E. Dean  
Jarboe  
President

License No. SMC-0907  
(Terminated)  
Docket No. 040-07603  
(Terminated)

Dear Mr.

SUBJECT: INSPECTION OF FORMER ATOMIC ENERGY COMMISSION  
(AEC) SITE

This refers to the special inspection conducted by Wiedeman of office on September 16, 1993, of your facilities located at 9200 Latty Avenue, Hazelwood, Missouri. This facility was previously occupied by Commercial Discount Corporation and Cotter Corporation, former AEC licensees, Source Material License Nos. SMC-0907 and SUB-1022, respectively. The results of our inspection were discussed during telephone conversations between Mr. D. G. Wiedeman and you on October 7, 19 ' 93, and Mr. David Adler, U.S. Department of Energy (DOE), on March 10, 1994. The results of our inspection findings were also discussed with Mr. Gerald Palau of Bechtel National, Inc., (the

The enclosed copy of our inspection report identifies areas examined during the inspection. The inspection consisted of a selective examination of representative records from the former license file, observations, independent measurements, and interviews with current employees of U. S. Department of Energy and Bechtel National, Inc.

Based upon this inspection, we concluded that the former licensed site at 9200 Latty Avenue, Hazelwood, Missouri is contaminated with radioactive materials which exceeds the NRC's criteria for unrestricted release. However, it is our understanding that characterization and remediation of this former licensed site is now under the authority of the DOE's Formerly Utilized Sites Remedial Action Program (FUSRAP). However, because this site was licensed by the predecessor of the NRC, and due to the complexity of these issues, we are continuing to review this matter to determine who (NRC, DOE or both) has jurisdictional responsibility for characterization and

In accordance with 10 CFR 2.790 of the Commission's regulations, a copy of this letter, and the enclosure to this letter, will be placed in the NRC Public Document Room.



Futura Coatings, Inc.

2

24  
1994

We will gladly discuss any questions you have concerning the inspection.

Sincerely,

Signed by

Gary Shear, Chief  
Fuel Cycle and Decommissioning

Enclosure: Inspection  
Report

cc w/enclosure:

G. McNutt, Missouri  
Department of Health

G. Palau, Bechtel  
National, Inc.

D. Adler, U.S. Department of  
Energy

bcc w/enclosure:

P. Goldberg,  
NMSS

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CITI00756

U.S. NUCLEAR REGULATORY

REGION III

Report No. 999-90003/93032(DRSS)

Docket Nos. 040-07603 (Terminated)  
040-08035 (Terminated)

License Nos. SMC-0907 (Terminated)  
SUB-1022 (Terminated)

Licensee: Commercial Discount Corporation 105  
West Adams Street Chicago, IL  
60603 and Cotter Corporation P.O.  
Box 1000 Roswell, New Mexico

Inspection At: 9200 Latty Avenue  
Hazelwood, Missouri  
Currently owned by E. Dean Jackson

Inspection Conducted : WSe tember 1993

Inspector: Wiedeman  
Senior Health Physicist

3  
1/2

Approved: Gary  
G.-M. 04cCann, Chief  
Fuel Facilities and Decommissioning  
Section

3  
LZ

Inspection Summary

Inspection on September 16, 1993 (Report No. 999-90003/93032(DRSS)) Areas Inspected:  
This was a special inspection to review the former licensees activities and determine if the facilities were adequately decontaminated prior to terminating the licenses. The inspector conducted independent radiation surveys in the general areas and properties that former licensed activities took place. This inspection was part of an NRC project which evaluated approximately 17,000 retired licenses. An NRC contractor, Oak Ridge National Laboratories (ORNL), performed the evaluation. On the basis of the information in the retired license file, such as type and quantity of authorized materials and lack of adequate decontamination documentation, ORNL concluded that these facilities have a potential for residual contamination. Results: The NRC inspector determined that the facility located at 9200 Latty Avenue, Hazelwood, Missouri, contains significant quantities of residual contamination. This site is currently being characterized and remediated by the U.S. Department of Energy's Formerly Utilized Sites Remedial Action Program (FUSRAP) with oversight by the U.S. Environmental Protection Agency.

## DETAILS

### 1. Persons

\*Gerald Palau, Project Manager, FUSRAP, Bechtel National, Inc.

\*Gary McNutt, Radiological Health Analyst, Missouri State  
Department of  
Health

\*Daniel Tschirgi, P.E., Environmental Engineer, Hazardous Waste  
Program,

State of Missouri, Department of Natural Resources

#David Adler, Site Manager, U.S. Department of Energy  
Charles Arnold, Environmental Specialist, Missouri State

\*Attended the exit meeting conducted on September 16, 1993. #Telephone  
conversation conducted on March 10, 1994, regarding the inspection findings.  
Telephone conversation conducted on October 7, 1993, regarding the inspection  
findings.

### Background

Between 1943 and 1946, uranium bearing ores were processed by Mallinckrodt Chemical Company of St. Louis, Missouri, under contracts with the Atomic Energy Commission (AEC) and its predecessor, the Manhattan Engineering District (MED). Following termination of these contracts, process residues from these operations were stored at a site adjacent to the St. Louis Airport, then known as 50 Brown Road, Roberts, Missouri, now known as 50-52 McDonnell Boulevard, St. Louis, Missouri. These wastes contained residual quantities of uranium-234, uranium-235, uranium-238, thorium-230, thorium-232 and radium-226.

On March 7, 1962, the AEC issued Invitation No. AT-(23-2)-46, for the sale of the residues stored at a 21 acre tract north of the St. Louis Municipal Airport (50 Brown Road, Robertson, Missouri), Attachment A. The invitation stipulated that the successful bidder must procure a valid AEC source material license prior to taking possession. In a letter dated April 12, 1962, the AEC accepted Contemporary Metal's bid of \$126,500.00 and advised them that permission to proceed with removal of the residues would be issued after they obtain an AEC license, Attachment B. AEC Source Material License No. SMB-0654 was issued to Contemporary Metals Corporation, San Gabriel, California, on September 25, 1962, Attachment C. This license was terminated on February 14, 1966, when License No. SMA-0862 was issued to their subsidiary Continental Mining & Milling Company, Chicago, Illinois. License No. SMB-0654 authorized possession of 125,000 tons of uranium and thorium residues stored at 50 Brown Road, and the licensee's processing facility at 7210 Polson Lane, Hazelwood, Missouri.

The licensee requested renewal of their license on February 4, 1966. In their renewal application they requested a name change from Contemporary Metals to Continental Mining and Milling Company and a new location of use. The address was changed from 7210 Polson Lane to 9200 Latty Avenue, Hazelwood, Missouri, along with the requested name change. Documents in the files indicated that no material had been used or processed at the Polson Lane address. On February 14, 1966, License No. SMA-0862 was issued, authorizing the removal of stockpile residues from 50 Brown Road, and storage only at 9200 Latty Avenue, Hazelwood, Missouri, Attachment D.

During the next several months, Continental Mining and Milling Co. started moving the material to its proposed processing site at 9200 Latty Avenue. Due to financial problems in late 1966, Continental Mining and Milling Co. went into receivership and Commercial Discount Corporation of Chicago, Illinois took possession of its assets, including the Latty Avenue property and the uranium residues. Source Material License No. SMC-0907 was issued to Commercial Discount Corporation on December 29, 1966, authorizing storage of 125,000 tons of uranium and thorium residues at 9200 Latty Avenue, Hazelwood, Missouri, Attachment E. On June 28, 1967 the license was amended to allow drying of the source material prior to shipping it to Cotter Corporation, Canon City, Colorado. It appears that this was the only licensed activity that took place at the Latty Avenue address. In December 1969, the remaining residues at Latty Avenue were sold to Cotter Corporation.

Source Material License No. SUB-1022 was issued to Cotter Corporation on December 29, 1969, for possession and use of these materials. In August 1970, Cotter Corporation began drying and shipping the remaining residues to their Colorado mill at a rate of approximately 400 tons per day. This operation was performed for Cotter by B&K Construction Company of St. Louis, Missouri. By November 1970, most of the residues had been shipped with the exception of 10,000 tons of Colorado raffinate and 8,700 tons of leached barium sulphate raffinates. There was no further activity at the Latty Avenue site until July 1973 when the remaining Colorado raffinate was shipped to Canon City.

During an April 1974 NRC Region III inspection of the Latty Avenue site, it was indicated that leached barium sulphate raffinates, containing 0.05 to 0.1% uranium, had been diluted with about 39,000 tons of earth excavated during decontamination of the Latty Avenue site, and disposed of at the West Lake Landfill, Bridgeton, Missouri. In May 1974, Cotter Corporation submitted a request to terminate their license. Decontamination data was provided indicating that the Latty Avenue site had been decontaminated to levels acceptable for unrestricted use. The termination request also included an affidavit certifying that all source material had been removed from the site. The AEC did not perform a confirmatory radiation survey of the property; and in November 1974, Source Material License No. SUB-1022 was terminated.

Local media interest in August 1976 regarding the disposal of uranium residues at the West Lake Landfill, prompted the NRC to conduct surveys at Latty Avenue to evaluate the decontamination effort by Cotter Corporation. The residual contamination levels found exceeded the NRC criteria for release of the site for unrestricted use. The NRC, in an attempt to further define the contamination at the site, contracted with Oak Ridge National Laboratories (ORNL) to perform a detailed radiological survey of the property, including the buildings. The NRC also concluded that about 7 tons of uranium oxide (U<sub>3</sub>O<sub>8</sub>), contained in 8,700 tons of leached barium sulfate residues had been mixed with about 39,000 tons of soil from the Latty Avenue site, and the entire volume was disposed of at the

During a site visit to the Latty Avenue property in June 1977, ORNL and NRC personnel discovered that three and one half acres of the property, on which the four buildings were located, had recently been purchased by Mr. E. Dean Jarboe. At that time, it was Mr. Jarboe's intentions to refurbish the buildings and

The ORNL survey findings at the Latty Avenue property revealed radiation levels in excess of the NRC criteria for unrestricted use. Radon levels in two of the buildings were in excess of accepted guidelines established at that time by the

In 1978, Mr. Jarboe contacted the NRC licensing staff about decontamination of the buildings and the three and one half acres of property. The NRC staff provided Mr. Jarboe with the Commission's guidance for the decontamination of buildings and equipment prior to the release for unrestricted use.

Decontamination started during the summer of 1978 and was completed in August 1979. During this period, two of the original four buildings were demolished. In August 1979, the two remaining buildings and the surrounding three and one half acres were released for unrestricted use. The contaminated soil removed during the decontamination effort was consolidated in a pile centered in the eastern portion of the property. Attachment F of NRC Report No. 999-90003/93030(DRSS) contains photographs of the pile of contaminated soil. The Latty Avenue site remained in this state until 1984 when Congress directed the U. S. Department of Energy (DOE) to conduct a decontamination research and development project at several sites throughout the nation, including the Latty Avenue site, vicinity properties, and the 50 Brown Road site in St. Louis, Missouri. All three of these sites are part of the DOE characterization and

### 3~ Facility Status and Inspection Findings

- a. The former licensed site of Contemporary Metals Corporation (License No. SMB-0654) located at 7210 Polson Lane, Hazelwood, Missouri, is occupied by Unipar, Incorporated. Review of historical documents in the license files and independent radiation measurements indicates that licensed materials were never used,

inspector's direct radiation measurements did not identify any radiation levels above natural background. See NRC Inspection Report No. 999-90003/93030(DRSS) for survey results.

The former licensed site of Contemporary Metals Corporation and Continental Mining & Milling Company located at 50 Brown Road, Robertson, Missouri (now known as 50-52 McDonnell Boulevard, St. Louis, Missouri), is a fenced vacant lot with no homes near the site. This site still contains significant quantities of residual contamination as a result of AEC licensed activities. See NRC Inspection Report No. 999-90003/93030(DRSS) (Attachment H) for photographs of the site. The property owner is the City of St. Louis, Airport Authority; however, in July 1993 access control was returned from U.S. DOE to the City of St. Louis, Airport Authority. Site characterization and remediation of the residual contamination was delegated to the DOE pursuant to the Energy and Water Appropriations Act (Public Law 98-50, 98-360) as directed by Congress. In 1989, the U. S. Environmental Protection Agency added this site to its National Priorities List (NPL) under their Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA).

Currently, the former licensed site of Contemporary Metals Corporation, Continental Mining & Milling, Commercial Discount Corporation, and Cotter Corporation located at 9200 Latty Avenue, Hazelwood, Missouri is owned by Mr. E. Dean Jarboe, owner of Jarboe Reality and Investment Company, Inc., and Futura Coatings, Inc. The site has been divided into two areas. The area with residual contamination is fenced and access control is maintained by DOE and their contractors. The Futura Coatings, Inc., site was remediated in 1978 and in August 1979 the two remaining buildings and land were released for unrestricted use (see Attachment I of NRC Inspection Report No. 999- 90003/93030(DRSS) for photographs of the site). Site characterization and remediation of the residual contamination was delegated to the DOE pursuant to the Energy and Water Appropriations Act as directed by Congress. In 1989, the U. S. Environmental Protection Agency added this site to its **National Priorities List (NPL)** under their Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA).

Currently, the site where radioactive wastes were disposed of (West Lake Landfill) by Cotter Corporation during the period July-October 1973, is owned by Laidlaw and Rockroad, Inc. This site is a 200 acre tract on the outskirts of the city of St. Louis. A concrete plant is operating on site, as well as a 22 acre demolition landfill and a 52 acre sanitary landfill. The property is on the border of the Missouri River Valley about 1.9 km (1.2 miles) from the river.



This site contains significant quantities of residual contamination which was the result of inappropriate disposal of licensed material. This site is currently listed on the NRC Site Decommissioning Management Plan (SDMP); however, the U.S. Environmental Protection Agency (EPA), Region III office, has the lead on the remediation of this site under their CERCLA program. EPA has identified four potentially responsible parties for the remediation of this site. These are: Cotter Corporation; Laidlaw Waste Systems; Rock Road Industries; and the U. S. Department of Energy.

#### 4. Independent

The NRC inspector conducted radiologic surveys, with assistance from a representative of the Missouri Department of Health, at 7210 Polson Lane, Hazelwood, Missouri, and along the roadway and front gate at 50 Brown Road, now known as 50-52 McDonnell Boulevard, St. Louis, Missouri. The inspector's surveys of the Polson Lane site and adjacent property did not identify any radiation levels above natural background. Radiation levels at the front gate of the 50 Brown Road site were four times above natural background (60 microrentgens per hour [gamma] (uR/h) (15 nanocoulomb per kilogram per hour (nC/kg/h)) and the road side was approximately six times above background (200-300 counts per minute (cpm) beta+gamma).

Background radiation measurements taken in the St. Louis area with a Victoreen, Model 190 showed 40-50 cpm and the Ludlum Model 19 microR meter indicated 7-15 uR/h (1.5-3.7 nC/kg/h). Response check and constancy checks were performed on both survey instruments prior to the surveys. All portable survey instruments responded as expected. Attachment G of NRC Inspection Report No. 999-90003/93030(DRSS) shows locations surveyed and measurement results.

#### Exit

The NRC inspector met with the individuals identified in Section I of this report and summarized the findings of the inspection. During the exit meetings with the various participants, none of the participants indicated that the inspection findings or data provided to the inspector were considered proprietary.

#### Attachment s:

- A Government Property Sale announcement dtd 3/7/62
- B
- C Letter to Contemporary Metals Corp. dtd 4/12/62
- D AEC License No. SMB-0654 dtd 9/25/62

*Sale*

# GOVERNMENT PROPERTY

Page No. 1 of 11 Pages of  
Invitation No. AT-(23-2)-46  
Dated March 7, 1962

Sealed bids in triplicate subject to the terms and conditions set forth herein, for the purchase and removal of the Government-owned property listed in this Invitation, will be received until the time, date, and at the place indicated below, and then publically opened.

Time of Opening - 2:00 p.m. EST  
Date of Opening - April 10, 1962  
Place of Opening - Atomic Energy Commission Office  
Weldon Spring, Missouri

Bid Deposit of \$2,000 is required

Inspection Invited between 8:00 a.m. and 4:00 p.m. Arrange with H.  
R. Osterwald or C. H. Fisher,

Telephone St. Louis WY-3-9400

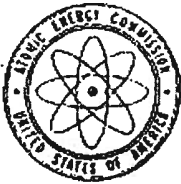
Issued by St. Louis Area Office

U. S. Atomic Energy Commission

Address: Box 470, St. Charles, Missouri

Property located in open storage on a 21-acre tract at Robertson, Missouri, immediately north of St. Louis Municipal Airport and east of McDonnell Aircraft Corporation Plant on Brown Road in St. Louis County. Residues stored are shown on attached drawing subject, "Topograph and Location of Plant Facilities for Mallinckrodt Chemical Works," 14CW Drawing, No. 6-1403-19.

A TTA CHMENT A  
PA( 1 of 1



UNITED STATES  
ATOMIC ENERGY COMMISSION

Post Office Box 00  
Charles,

IN REPLY REFER TO  
C-100

Mr. Clemons v. Roark, resident  
Contemporary Metals Corporation  
620 North Denton Way  
Los Angeles 26, California

W- P-1A-11-N' 90.

Dear Mr. Roark:

Your bid dated April 3, 1962, to purchase and remove Government  
property as listed in Invitation No- Ai-(23-2)-h6 dated  
March 7, 1962 is hereby accepted b  
, in the amount of \$126,500 the

Notice to Proceed with removal of the residues will be issued  
when you have obtained a license to receive, process or  
transfer the source material contained in the residues from the  
Director, Division of Licensing and Regulation U. S. Atomic  
Energy and when you have furnished

Since other Commission contractors may be working at the site during your removal  
operations coordination with their work will be required.

Very truly yours,

F. K. Belcher  
area Manager

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ATTACHMENT B

CITI00764

UNITED STATES  
ATOMIC ENERGY COMMISSION

SOME MATERIAL LICENSE

Pursuant to the Atomic Energy Act of 1954, and Title 10, Code of Federal Regulations, Chapter 1, Part 40, "Licensing of Source Material," and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, possess and import the source material designated below; to use such material for the purpose(s) and at the place(s) designated below; and to deliver or transfer such material to persons authorized to receive it in accordance with the regulations in said Part. This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954 and is subject to all applicable rules, regulations, and orders of the

Licensee	3. License No.
1. Name Contemporary Metals Corporation	Swld .%W6
2- Address 1039 South San Gabriel Boulevard San Gabriel, California	4. Expiration Date January 1, 1964'
6. Source Material Uranium and thorium.	5. Docket No. 40-6811
	7. Material quantity of source material which licensee may possess at any one time under this license 125,000 tons of residues presently stockpiled at Brown

CONDITIONS

8. Authorized use (Unless otherwise specified, the authorized place of use is the licensee's address stated in Item 2 above.)
9. Authorized places of use: Residue stockpile at Brown Road,  
Roberts and the licensee-  
Missouri,
10. Process operations shall begin only at such time as the licensee has completed the installation of all equipment and facilities as described in the application and supplements thereto. However removal and operations at the residue stockpile site may begin at such time as the preparatory equipment and facilities described in the application and supplements thereto for this operation

SOURCE MATERIAL LICENSE  
Supplementary Sheet

License Number

Mr. Dennis, 7                      serve as the Director of the  
... program                      in the supplements to:  
...                      3 of this 1,

-tc

12. The St. Louis Testing Laboratory shall perform the quality control services as described in the                      and supplements thereto specified in Item 8 of this license.
13. The licensee shall submit after the first three (3) months of operations a report containing the results of the required radio-surveys.

The licensee is hereby exempt from the requirements of Section  
y

20.203(e)(2) and 20.203(f)(2), 10 CFR 20, for areas and containers **within the plant, provided all entrances to the** plant are conspicuously posted in accordance with Section 20.203(e)(2) and with the **various "Any area or container within this mill may contain radioactive material"**.

For the U. S. Atomic Energy Commission

Date

by

Division of Licensing and Regulation  
Washington 25, D- C.

26-yr2

UNITED STATES  
ATOMIC ENERGY COMMISSION

SOURCE MATERIAL LICENSE C 0 ED

Pursuant to the Atomic Energy Act of 1954, and Title 10, Code of Federal Regulations, Chapter 1, Part 40, "Licensing of Source Material," and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, possess and import the source material designated below; to use such material for the purpose(s) and at the place(s) designated below; and to deliver or transfer such material to persons authorized to receive it in accordance with the regulations in said Part. This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954 and is subject to all applicable rules, regulations, and orders of the Atomic Energy Commission, now or hereafter in effect, including Title 10, Code of Federal Regulations, Chapter 1, Part 20, "Standards for Protection Against Radiation," and to

Licensee

1. Name Continental Mining & Milling Co.  
2. Address 208 South LaSalle Street  
Chicago, Illinois 60604

3. License No.

SMA

4. Expiration Date

February 28, 1969

5. Docket No.

40-6811

6. Source Material

Uranium and thorium.

7. Maximum quantity of source material w  
licensee may possess at any one time u  
this license

125,000 tons of residues presentl  
stockpiled at 50 Brown Road,

I. Robertson., Missouri

CONDITIONS

8. Authorized use (Unless otherwise specified, the authorized place of use is the licensee's address stated in Item 2 above.)  
Removal of stockpile residues from 50 Brown Road, Robertson, Missouri, and storage only at the licensee's facilities located at 9200 Latty Avenue, Hazelwood, Missouri, in accordance with the procedures described in the licensee's application dated February 4, 1966, and supplements dated February 7 and February 8, 1966.
9. Transfer of source material to the licensee's Hazelwood, Missouri, site is not authorized until fencing and lock gates have been installed in accordance with the licensee's submittal dated February 8, 1966.

For the U. S. ATOMIC ENERGY COMMISSION

Date of issuance

U. S. GOVERNMENT PRINTING OFFICE: 1962 O - 612 985 Don F. Harmon

COPY

At~ ATTACHMENT D

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PAGE 1 of 1 PAGES

CITI00767

UNITED STATES  
ATOMIC ENERGY COMMISSION

SOURCE MATERIAL  
LICENSE

Pursuant to the Atomic Energy Act of 1954, and Title 10, Code of Federal Regulations, Chapter 1, Part 40, "Licensing of Source Material," and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, possess and import the source material designated below; to use such material for the purpose(s) and at the place(s) designated below; and to deliver or transfer such material to persons authorized to receive it in accordance with the regulations in said Part. This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954 and is subject to an applicable rules, regulations, and orders of the Atomic Energy Commission, now or hereafter in effect, including Title 10, Code of Federal Regulations Chapter 1 Part 20 "Standards for Protection Against Radiation" and to

Licensee	3. License No.
1. Name <i>Commercial Discount Corporation</i>	<i>SMC-907</i>
2. Address <i>105 West Adams Street</i>	4. Expiration Date
<i>Chicago, Illinois 60603</i>	<i>December 31, 1969</i>
	5. Docket No.
	<i>40-7603</i>
6. Source Material	7. Maximum quantity of source material which
<i>Uranium and Thorium</i>	licensee may possess at any one time under
	this license
	<i>125,000 tons of-residues</i>
	<i>containing</i>

CONDITIONS

8. **Authorized use (Unless otherwise specified, the authorized place of use is the licensee's address stated in Item 2 above.)**

*For storage only in accordance with the procedures described in the licensee's application dated December 14, 1966.*

9. Authorized place of storage:      *9200 Latty Avenue*  
*Hazelwood, Missouri*

For the U. S. ATOMIC ENERGY COMMISSION

Date of issuance    7-

U. S. GOVERNMENT PRINTING OFFICE: 1966 O - 632985 F. Harmon

ATTACHMENT E

Q-19J

PAGE 1 of 1 PAGE

CITI00768

Clemons W. Roark, President  
Contemporary Metals Corporation  
620 North Denton Bay  
Los Angeles 26, California

Subj Oct 1 A CL; EPTANCE OF BID UNDER IV - T4 A I I at\* NO. A T-( 23-2)-46

Dear ROARK,

Your bid dated April 4, 1962, to purchase and remove Government-  
property as listed in Invitation No. A"L\*-(2 4 to

11, 23-2)- 6 dated March 7, 1962, in the amount of \$126,500, is hereby accepted by the Atomic Energy Commission.

A Notice to Proceed with removal of Vite residues will be issued when you have obtained a license to receive, process, use or transfer the source material contained in the residues from the Director, Division of Licensing - And Regulation, U.S. Atomic Energy Commission. YOU

Energy Commission 25, D. "Cost and when have furnished  
of "

a performance bond in the sum of \$50,000.

Since other Commission contractors may be working at the site during your removal operations, coordination with their work will be required.

Very truly yours,

F. H. Belcher  
Area Manager

CERTIFIED MAIL, :FIU!Z4lf



IN REPLY REFER TO:  
S:PRO

UNITED STATES  
ATOMIC ENERGY COMMISSION

Post Office Box 470  
St. Charles, Missouri

APR 12 1962

CITI00769



U. S. ATOMIC ENERGY COMMISSION  
SOURCE / PRODUCT MATERIAL LICENSE

1 of 1 Pages

Supplementary Sheet

License Number SM-654

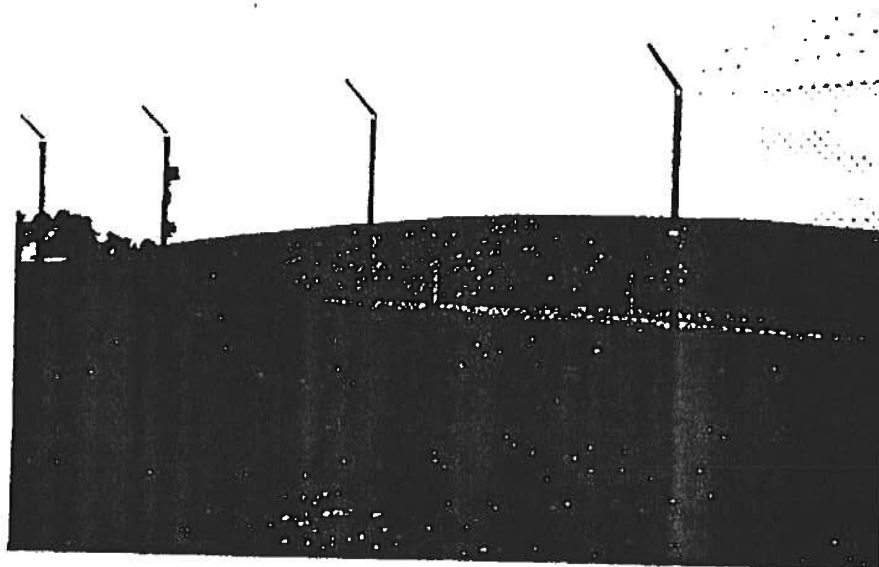
11. Mr. Alan R. Henning shall serve as the Director of the radiological safety program described in the application and supplements thereto specified in Item 3 of this license.
12. The St. Louis Testing Laboratory shall perform the quality control services as described in the application and supplements thereto specified in Item 6 of this license.
13. The licensee shall submit after the first three (3) months of operations, a report containing the results of the required radiological surveys.
14. The licensee is hereby exempt from the requirements of Section 20.203(e)(2) and 20.203(f)(2), 10 CFR 20, for areas and containers within the plant, provided all entrances to the plant are conspicuously posted in accordance with Section 20.203(e)(2) and with the words, "Any area or container within this mill may contain radioactive material".

For the U. S. Atomic Energy Commission

REC-10-100  
Date \_\_\_\_\_

by \_\_\_\_\_  
Division of Licensing and Regulation  
Washington 25, D. C.

CITI00770

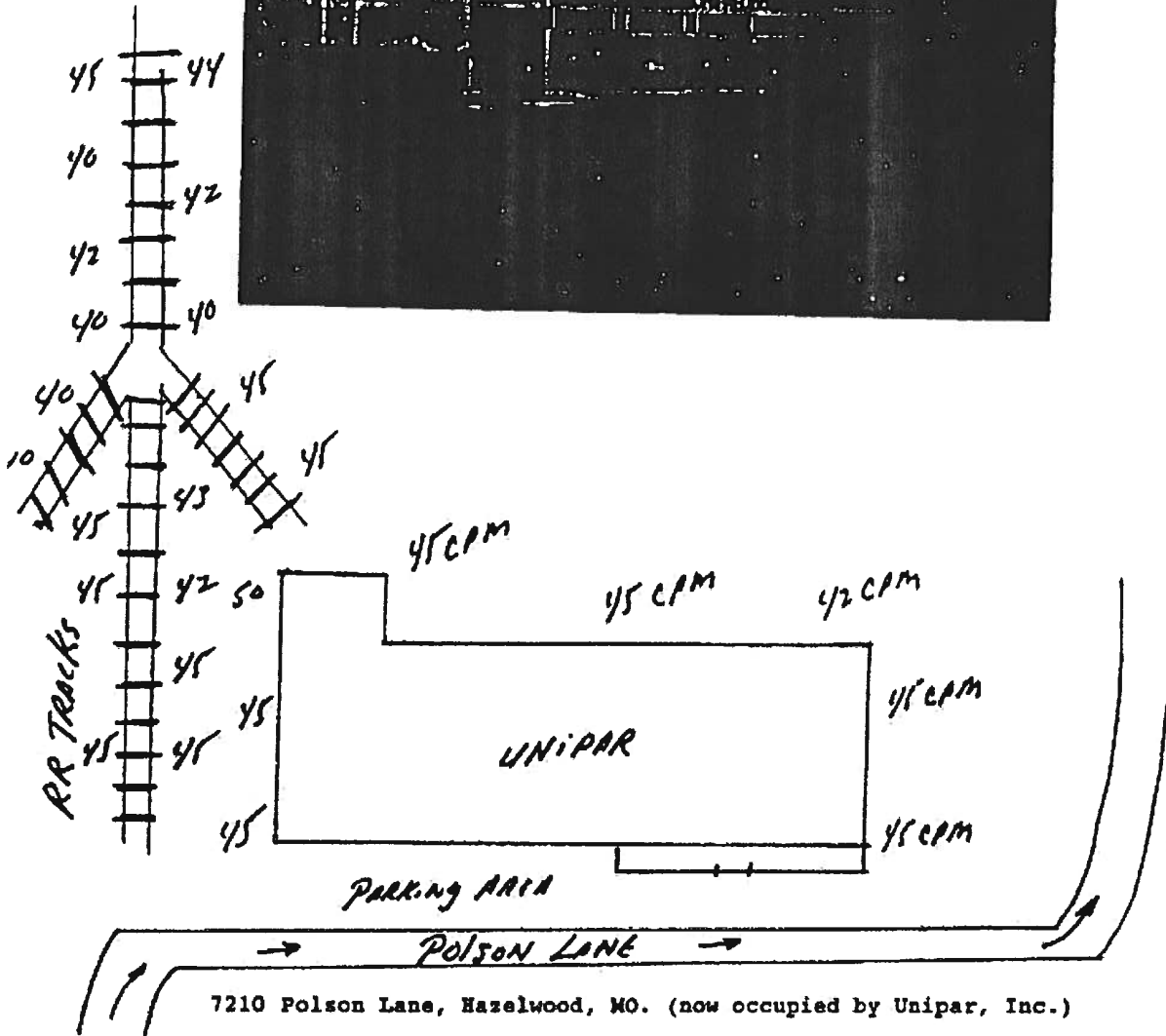


Photograph of temporary storage piles at 9200 Latty Avenue, Hazelwood, MO.

Note- Original photographs are located in NRC Region III files  
Report No. 99990003/93030(DRSS)

Attachment F

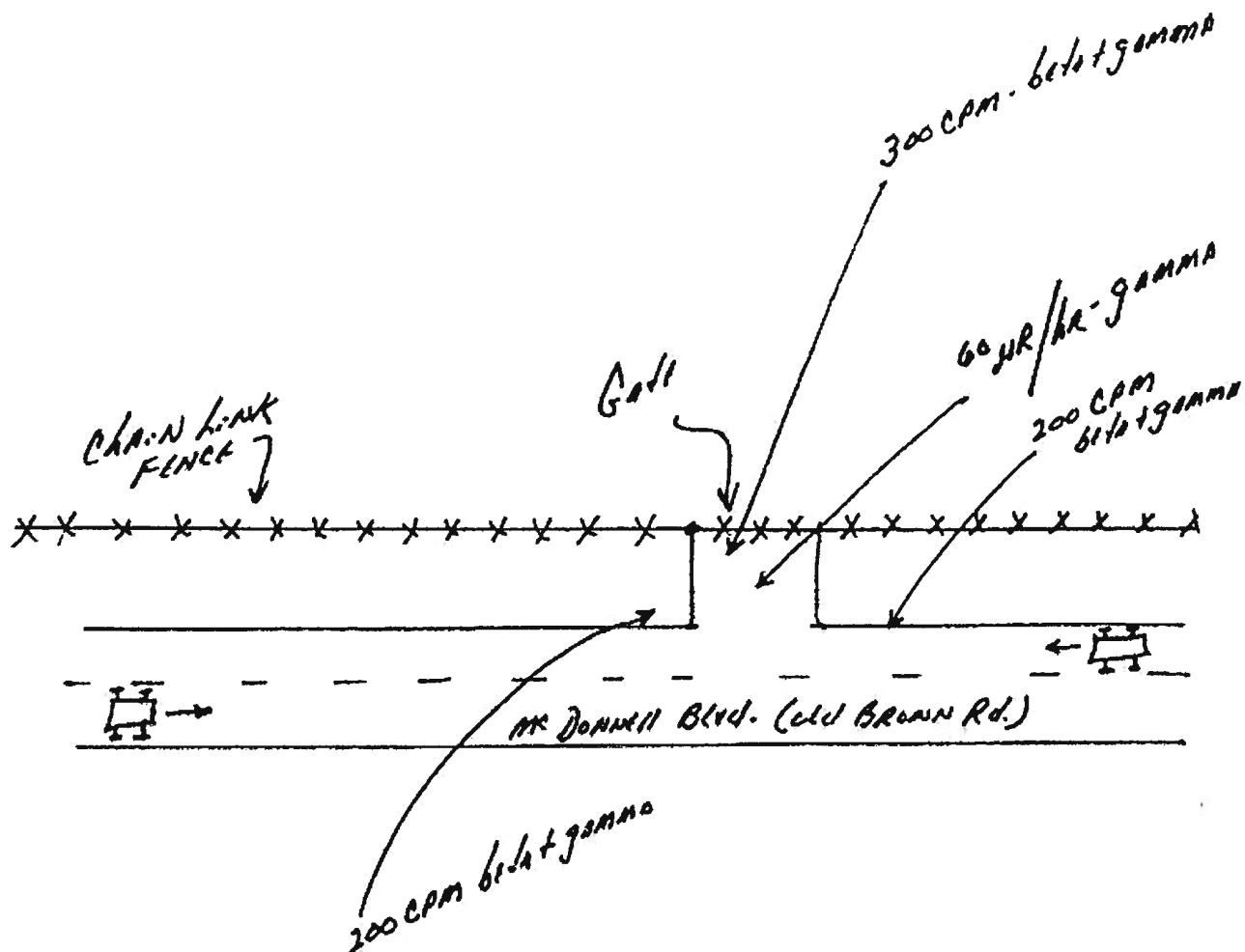




Survey by: D. G. Wiedeman, NRC with the assistance from G. McNutt, Mo.  
Department of Health

CITI00773





50 Brown Road (now McDonnell Blvd.) St. Louis, MO. (front gate)

Date of radiation survey- 9/15/93

Survey Instrument- Victoreen 190, w/10cm<sup>2</sup> pancake probe

Calibration date- 1/22/92

Serial No. 699

NRC Tag No. 042444

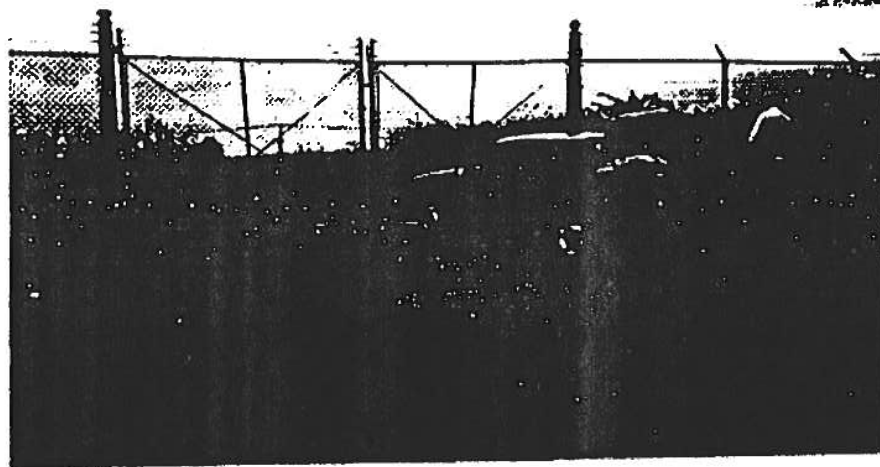
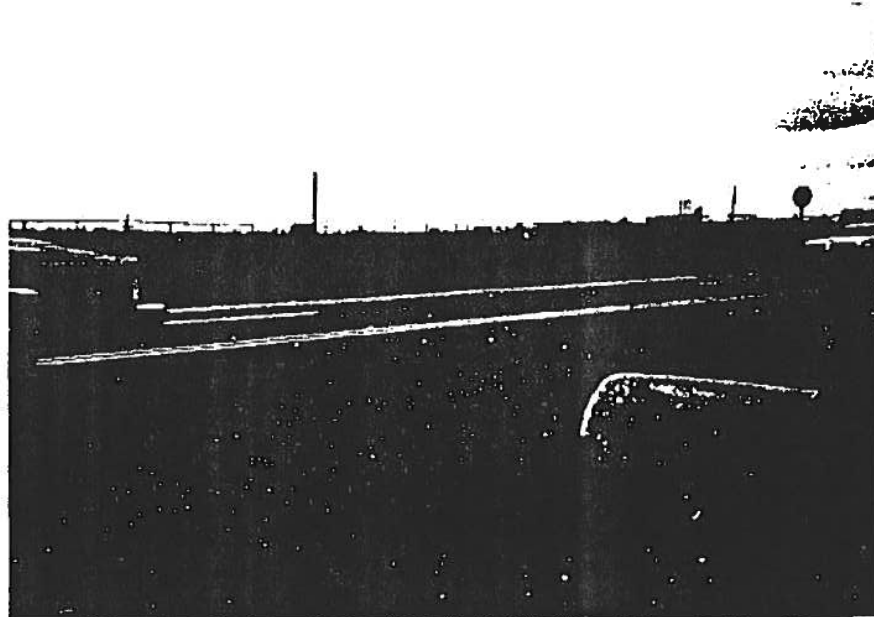
Background reading- 40-50 counts/minute (cpm) {beta + gamma}

Note- All direct radiation readings include background and all surveys were supplemented with a Ludlum microR meter, NRC Tag No. 011021, calibrated on 5/8/93. All readings are in units of counts/minute (cpm) and include background (40-50 cpm) {beta+gamma} or microR/hour {gamma} as noted.

Survey by: D. G. Wiedeman, NRC with the assistance from G. McNutt, Mo. Department of Health

Attachment G





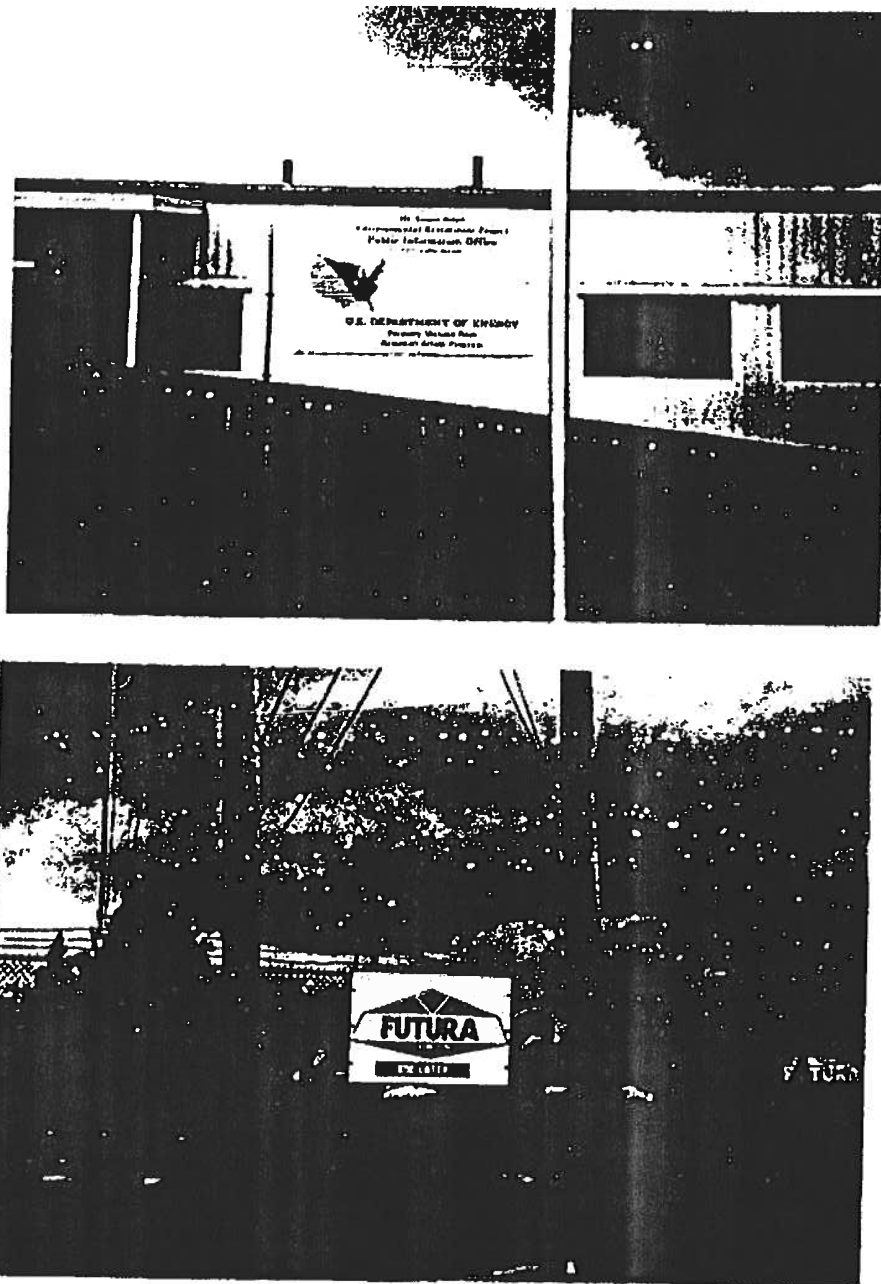
Photograph of front gate along McDonnell Blvd. (old Brown Road), St. Louis

Note- Original photographs are located in NRC Region III files  
Report No. 99990003/93030(DRSS)

Attachment H







Photograph of entrance to Latty Avenue sites, Hazelwood, MO.

Note- Original photographs are located in NRC Region III files  
Report No. 99990003/93030(DRSS)

Attachment I





14 AD 2

Futura Coatings,  
Inc.  
ATTN: E. Dean  
Jarboe  
President

License No. SMC-0907  
(Terminated)  
Docket No. 040-07603  
(Terminated)

Dear Mr.

SUBJECT: INSPECTION OF FORMER ATOMIC ENERGY COMMISSION  
(AEC) SITE

This refers to the special inspection conducted by Wiedeman of office on September 16, 1993, of your facilities located at 9200 Latty Avenue, Hazelwood, Missouri. This facility was previously occupied by Commercial Discount Corporation and Cotter Corporation, former AEC licensees, Source Material License Nos. SMC-0907 and SUB-1022, respectively. The results of our inspection were discussed during telephone conversations between Mr. D. G. Wiedeman and you on October 7, 19 ' 93, and Mr. David Adler, U.S. Department of Energy (DOE), on March 10, 1994. The results of our inspection findings were also discussed with Mr. Gerald Palau of Bechtel National, Inc., (the

The enclosed copy of our inspection report identifies areas examined during the inspection. The inspection consisted of a selective examination of representative records from the former license file, observations, independent measurements, and interviews with current employees of U. S. Department of Energy and Bechtel National, Inc.

Based upon this inspection, we concluded that the former licensed site at 9200 Latty Avenue, Hazelwood, Missouri is contaminated with radioactive materials which exceeds the NRC's criteria for unrestricted release. However, it is our understanding that characterization and remediation of this former licensed site is now under the authority of the DOE's Formerly Utilized Sites Remedial Action Program (FUSRAP). However, because this site was licensed by the predecessor of the NRC, and due to the complexity of these issues, we are continuing to review this matter to determine who (NRC, DOE or both) has jurisdictional responsibility for characterization and

In accordance with 10 CFR 2.790 of the Commission's regulations, a copy of this letter, and the enclosure to this letter, will be placed in the NRC Public Document Room.



Futura Coatings, Inc.

2

24  
1994

We will gladly discuss any questions you have concerning the inspection.

Sincerely,

Signed by

Gary Shear, Chief  
Fuel Cycle and Decommissioning

Enclosure: Inspection  
Report

cc w/enclosure:

G. McNutt, Missouri  
Department of Health

G. Palau, Bechtel  
National, Inc.

D. Adler, U.S. Department of  
Energy

bcc w/enclosure:

P. Goldberg,  
NMSS

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U.S. NUCLEAR REGULATORY

REGION III

Report No. 999-90003/93032(DRSS)

Docket Nos. 040-07603 (Terminated)  
040-08035 (Terminated)

License Nos. SMC-0907 (Terminated)  
SUB-1022 (Terminated)

Licensee: Commercial Discount Corporation 105  
West Adams Street Chicago, IL  
60603 and Cotter Corporation P.O.  
Box 1000 Roswell, New Mexico

Inspection At: 9200 Latty Avenue  
Hazelwood, Missouri  
Currently owned by E. Dean Jackson

Inspection Conducted : WSe tember 1993

Inspector: <sup>Wiedeman</sup>  
Senior Health Physicist

3  
1/2

Approved: Gary  
G.-M. 04cCann, Chief  
Fuel Facilities and Decommissioning  
Section

3  
LZ

Inspection Summary

Inspection on September 16, 1993 (Report No. 999-90003/93032(DRSS)) Areas Inspected:  
This was a special inspection to review the former licensees activities and determine if the facilities were adequately decontaminated prior to terminating the licenses. The inspector conducted independent radiation surveys in the general areas and properties that former licensed activities took place. This inspection was part of an NRC project which evaluated approximately 17,000 retired licenses. An NRC contractor, Oak Ridge National Laboratories (ORNL), performed the evaluation. On the basis of the information in the retired license file, such as type and quantity of authorized materials and lack of adequate decontamination documentation, ORNL concluded that these facilities have a potential for residual contamination. Results: The NRC inspector determined that the facility located at 9200 Latty Avenue, Hazelwood, Missouri, contains significant quantities of residual contamination. This site is currently being characterized and remediated by the U.S. Department of Energy's Formerly Utilized Sites Remedial Action Program (FUSRAP) with oversight by the U.S. Environmental Protection Agency.



## DETAILS

### 1. Persons

~~Continued~~

\*Gerald Palau, Project Manager, FUSRAP, Bechtel National, Inc.

\*Gary McNutt, Radiological Health Analyst, Missouri State  
Department of  
Health

\*Daniel Tschirgi, P.E., Environmental Engineer, Hazardous Waste  
Program,

State of Missouri, Department of Natural Resources

#David Adler, Site Manager, U.S. Department of Energy

Charles Arnold, Environmental Specialist, Missouri State

\*Attended the exit meeting conducted on September 16, 1993. #Telephone  
conversation conducted on March 10, 1994, regarding the inspection findings.  
Telephone conversation conducted on October 7, 1993, regarding the inspection  
findings.

### Background

Between 1943 and 1946, uranium bearing ores were processed by Mallinckrodt Chemical Company of St. Louis, Missouri, under contracts with the Atomic Energy Commission (AEC) and its predecessor, the Manhattan Engineering District (MED). Following termination of these contracts, process residues from these operations were stored at a site adjacent to the St. Louis Airport, then known as 50 Brown Road, Roberts, Missouri, now known as 50-52 McDonnell Boulevard, St. Louis, Missouri. These wastes contained residual quantities of uranium-234, uranium-235, uranium- 238, thorium-230, thorium-232 and radium-226.

On March 7, 1962, the AEC issued Invitation No. AT-(23-2)-46, for the sale of the residues stored at a 21 acre tract north of the St. Louis Municipal Airport (50 Brown Road, Robertson, Missouri), Attachment A. The invitation stipulated that the successful bidder must procure a valid AEC source material license prior to taking possession. In a letter dated April 12, 1962, the AEC accepted Contemporary Metal's bid of \$126,500.00 and advised them that permission to proceed with removal of the residues would be issued after they obtain an AEC license, Attachment B. AEC Source Material License No. SMB-0654 was issued to Contemporary Metals Corporation, San Gabriel, California, on September 25, 1962, Attachment C. This license was terminated on February 14, 1966, when License No. SMA-0862 was issued to their subsidiary Continental Mining & Milling Company, Chicago, Illinois. License No. SMB-0654 authorized possession of 125,000 tons of uranium and thorium residues stored at 50 Brown Road, and the licensee's processing facility at 7210 Polson Lane, Hazelwood, Missouri.

The licensee requested renewal of their license on February 4, 1966. In their renewal application they requested a name change from Contemporary Metals to Continental Mining and Milling Company and a new location of use. The address was changed from 7210 Polson Lane to 9200 Latty Avenue, Hazelwood, Missouri, along with the requested name change. Documents in the files indicated that no material had been used or processed at the Polson Lane address. On February 14, 1966, License No. SMA-0862 was issued, authorizing the removal of stockpile residues from 50 Brown Road, and storage only at 9200 Latty Avenue, Hazelwood, Missouri, Attachment D.

During the next several months, Continental Mining and Milling Co. started moving the material to its proposed processing site at 9200 Latty Avenue. Due to financial problems in late 1966, Continental Mining and Milling Co. went into receivership and Commercial Discount Corporation of Chicago, Illinois took possession of its assets, including the Latty Avenue property and the uranium residues. Source Material License No. SMC-0907 was issued to Commercial Discount Corporation on December 29, 1966, authorizing storage of 125,000 tons of uranium and thorium residues at 9200 Latty Avenue, Hazelwood, Missouri, Attachment E. On June 28, 1967 the license was amended to allow drying of the source material prior to shipping it to Cotter Corporation, Canon City, Colorado. It appears that this was the only licensed activity that took place at the Latty Avenue address. In December 1969, the remaining residues at Latty Avenue were sold to Cotter Corporation.

Source Material License No. SUB-1022 was issued to Cotter Corporation on December 29, 1969, for possession and use of these materials. In August 1970, Cotter Corporation began drying and shipping the remaining residues to their Colorado mill at a rate of approximately 400 tons per day. This operation was performed for Cotter by B&K Construction Company of St. Louis, Missouri. By November 1970, most of the residues had been shipped with the exception of 10,000 tons of Colorado raffinate and 8,700 tons of leached barium sulphate raffinates. There was no further activity at the Latty Avenue site until July 1973 when the remaining Colorado raffinate was shipped to Canon City.

During an April 1974 NRC Region III inspection of the Latty Avenue site, it was indicated that leached barium sulphate raffinates, containing 0.05 to 0.1% uranium, had been diluted with about 39,000 tons of earth excavated during decontamination of the Latty Avenue site, and disposed of at the West Lake Landfill, Bridgeton, Missouri. In May 1974, Cotter Corporation submitted a request to terminate their license. Decontamination data was provided indicating that the Latty Avenue site had been decontaminated to levels acceptable for unrestricted use. The termination request also included an affidavit certifying that all source material had been removed from the site. The AEC did not perform a confirmatory radiation survey of the property; and in November 1974, Source Material License No. SUB-1022 was terminated.



Local media interest in August 1976 regarding the disposal of uranium residues at the West Lake Landfill, prompted the NRC to conduct surveys at Latty Avenue to evaluate the decontamination effort by Cotter Corporation. The residual contamination levels found exceeded the NRC criteria for release of the site for unrestricted use. The NRC, in an attempt to further define the contamination at the site, contracted with Oak Ridge National Laboratories (ORNL) to perform a detailed radiological survey of the property, including the buildings. The NRC also concluded that about 7 tons of uranium oxide (U<sub>3</sub>O<sub>8</sub>), contained in 8,700 tons of leached barium sulfate residues had been mixed with about 39,000 tons of soil from the Latty Avenue site, and the entire volume was disposed of at the

During a site visit to the Latty Avenue property in June 1977, ORNL and NRC personnel discovered that three and one half acres of the property, on which the four buildings were located, had recently been purchased by Mr. E. Dean Jarboe. At that time, it was Mr. Jarboe's intentions to refurbish the buildings and

The ORNL survey findings at the Latty Avenue property revealed radiation levels in excess of the NRC criteria for unrestricted use. Radon levels in two of the buildings were in excess of accepted guidelines established at that time by the

In 1978, Mr. Jarboe contacted the NRC licensing staff about decontamination of the buildings and the three and one half acres of property. The NRC staff provided Mr. Jarboe with the Commission's guidance for the decontamination of buildings and equipment prior to the release for unrestricted use.

Decontamination started during the summer of 1978 and was completed in August 1979. During this period, two of the original four buildings were demolished. In August 1979, the two remaining buildings and the surrounding three and one half acres were released for unrestricted use. The contaminated soil removed during the decontamination effort was consolidated in a pile centered in the eastern portion of the property. Attachment F of NRC Report No. 999-90003/93030(DRSS) contains photographs of the pile of contaminated soil. The Latty Avenue site remained in this state until 1984 when Congress directed the U. S. Department of Energy (DOE) to conduct a decontamination research and development project at several sites throughout the nation, including the Latty Avenue site, vicinity properties, and the 50 Brown Road site in St. Louis, Missouri. All three of these sites are part of the DOE characterization and

### 3~ Facility Status and Inspection Findings

- a. The former licensed site of Contemporary Metals Corporation (License No. SMB-0654) located at 7210 Polson Lane, Hazelwood, Missouri, is occupied by Unipar, Incorporated. Review of historical documents in the license files and independent radiation measurements indicates that licensed materials were never used,



inspector's direct radiation measurements did not identify any radiation levels above natural background. See NRC Inspection Report No. 999-90003/93030(DRSS) for survey results.

The former licensed site of Contemporary Metals Corporation and Continental Mining & Milling Company located at 50 Brown Road, Robertson, Missouri (now known as 50-52 McDonnell Boulevard, St. Louis, Missouri), is a fenced vacant lot with no homes near the site. This site still contains significant quantities of residual contamination as a result of AEC licensed activities. See NRC Inspection Report No. 999-90003/93030(DRSS) (Attachment H) for photographs of the site. The property owner is the City of St. Louis, Airport Authority; however, in July 1993 access control was returned from U.S. DOE to the City of St. Louis, Airport Authority. Site characterization and remediation of the residual contamination was delegated to the DOE pursuant to the Energy and Water Appropriations Act (Public Law 98-50, 98-360) as directed by Congress. In 1989, the U. S. Environmental Protection Agency added this site to its National Priorities List (NPL) under their Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA).

Currently, the former licensed site of Contemporary Metals Corporation, Continental Mining & Milling, Commercial Discount Corporation, and Cotter Corporation located at 9200 Latty Avenue, Hazelwood, Missouri is owned by Mr. E. Dean Jarboe, owner of Jarboe Reality and Investment Company, Inc., and Futura Coatings, Inc. The site has been divided into two areas. The area with residual contamination is fenced and access control is maintained by DOE and their contractors. The Futura Coatings, Inc., site was remediated in 1978 and in August 1979 the two remaining buildings and land were released for unrestricted use (see Attachment I of NRC Inspection Report No. 999- 90003/93030(DRSS) for photographs of the site). Site characterization and remediation of the residual contamination was delegated to the DOE pursuant to the Energy and Water Appropriations Act as directed by Congress. In 1989, the U. S. Environmental Protection Agency added this site to its **National Priorities List (NPL)** under their Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA).

Currently, the site where radioactive wastes were disposed of (West Lake Landfill) by Cotter Corporation during the period July-October 1973, is owned by Laidlaw and Rockroad, Inc. This site is a 200 acre tract on the outskirts of the city of St. Louis. A concrete plant is operating on site, as well as a 22 acre demolition landfill and a 52 acre sanitary landfill. The property is on the border of the Missouri River Valley about 1.9 km (1.2 miles) from the river.



This site contains significant quantities of residual contamination which was the result of inappropriate disposal of licensed material. This site is currently listed on the NRC Site Decommissioning Management Plan (SDMP); however, the U.S. Environmental Protection Agency (EPA), Region III office, has the lead on the remediation of this site under their CERCLA program. EPA has identified four potentially responsible parties for the remediation of this site. These are: Cotter Corporation; Laidlaw Waste Systems; Rock Road Industries; and the U. S. Department of Energy.

#### 4. Independent

The NRC inspector conducted radiologic surveys, with assistance from a representative of the Missouri Department of Health, at 7210 Polson Lane, Hazelwood, Missouri, and along the roadway and front gate at 50 Brown Road, now known as 50-52 McDonnell Boulevard, St. Louis, Missouri. The inspector's surveys of the Polson Lane site and adjacent property did not identify any radiation levels above natural background. Radiation levels at the front gate of the 50 Brown Road site were four times above natural background (60 microroentgens per hour [gamma] (uR/h) (15 nanocoulomb per kilogram per hour (nC/kg/h)) and the road side was approximately six times above background (200-300 counts per minute (cpm) beta+gamma).

Background radiation measurements taken in the St. Louis area with a Victoreen, Model 190 showed 40-50 cpm and the Ludlum Model 19 microR meter indicated 7-15 uR/h (1.5-3.7 nC/kg/h). Response check and constancy checks were performed on both survey instruments prior to the surveys. All portable survey instruments responded as expected. Attachment G of NRC Inspection Report No. 999-90003/93030(DRSS) shows locations surveyed and measurement results.

#### Exit

The NRC inspector met with the individuals identified in Section I of this report and summarized the findings of the inspection. During the exit meetings with the various participants, none of the participants indicated that the inspection findings or data provided to the inspector were considered proprietary.

#### Attachment s:

- A Government Property Sale announcement dtd 3/7/62
- B
- C Letter to Contemporary Metals Corp. dtd 4/12/62
- D AEC License No. SMB-0654 dtd 9/25/62





*Sale*

# GOVERNMENT PROPERTY

Page No. 1 of 11 Pages of  
Invitation No. AT-(23-2)-46  
Dated March 7, 1962

Sealed bids in triplicate subject to the terms and conditions set forth herein, for the purchase and removal of the Government-owned property listed in this Invitation, will be received until the time, date, and at the place indicated below, and then publically opened.

Time of Opening - 2:00 p.m. EST

Date of Opening - April 10, 1962

Place of Opening - Atomic Energy Commission Office  
Weldon Spring, Missouri

Bid Deposit of \$2,000 is required

Inspection Invited between 8:00 a.m. and 4:00 p.m. Arrange with H.

R. Osterwald or C. H. Fisher,  
Telephone St. Louis WY-3-9400

Issued by St. Louis Area Office

U. S. Atomic Energy Commission

Address: Box 470, St. Charles, Missouri

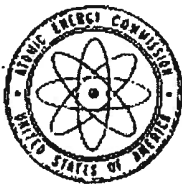
Property located in open storage on a 21-acre tract at Robertson, Missouri, immediately north of St. Louis Municipal Airport and east of McDonnell Aircraft Corporation Plant on Brown Road in St. Louis County. Residues stored are shown on attached drawing subject, "Topograph and Location of Plant Facilities for Mallinckrodt Chemical Works," 14CW Drawing, No. 6-1403-19.

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IN REPLY REFER TO  
6:40

UNITED STATES  
ATOMIC ENERGY COMMISSION

Post Office Box 00  
Charles,

Mr. Clemons v. Roark, resident  
Contemporary Metals Corporation  
620 North Denton Way  
Los Angeles 26, California

W- P: J'1A-11-N' 90.

Dear Mr. Roark:

Your bid dated April 9, 1962, to purchase and remove Government  
property as listed in Invitation No- Ai-(23-2)-h6 dated  
March 7, 1962 is hereby accepted b  
, in the amount of \$126,500 the

Notice to Proceed with removal of the residues will be issued  
when you have obtained a license to receive, process use or  
transfer the source material contained in the residues from the  
Director,, Division of Licensing And. Regulation U. So Atomic  
Energy and when you have furnished  
a bond in the amount of \$50,000

Since other Commission contract-ore may be working at the site during your removal  
operations coordination with their work will be required.

Very truly yours,

F. K. Belcher  
area Manager

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ATTACHMENT B  
PAGE 1 of 1

CITI00797



UNITED STATES  
ATOMIC ENERGY COMMISSION

SOME MATERIAL LICENSE

Pursuant to the Atomic Energy Act of 1954, and Title 10, Code of Federal Regulations, Chapter 1, Part 40, "Licensing of Source Material," and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, possess and import the source material designated below; to use such material for the purpose(s) and at the place(s) designated below; and to deliver or transfer such material to persons authorized to receive it in accordance with the regulations in said Part. This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954 and is subject to all applicable rules, regulations, and orders of the

Licensee		3. License No.
1. Name	Contemporary Metals Corporation	Swld .%W6
2- Address	1039 South San Gabriel Boulevard San Gabriel, California	4. Expiration Date January 1, 1964'
		5. Docket No. 40-6811
6. Source Material	Uranium and thorium.	7. Maximum quantity of source material which licensee may possess at any one time under this license 125,000 tons of residues presently stockpiled at Brown

CONDITIONS

8. Authorized use (Unless otherwise specified, the authorized place of use is the licensee's address stated in Item 2 above.)
9. Authorized places of use: Residue stockpile at Brown Road,  
Roberts, Missouri, and the licensee's
10. Process operations shall begin only at such time as the licensee has completed the installation of all equipment and facilities as described in the application and supplements thereto. However removal and operations at the residue stockpile site may begin at such time as the equipment and facilities described in the application and supplements thereto for this operation

SOURCE 20.203(e)(2) MATERIAL LICENSE  
Supplementary Sheet

License Number

Mr. Kenneth L. Dennison, 7                      serve as the Director of the  
... the program                      in the supplements to:  
...                      3 of this 1,                      -1c

12. The St. Louis Testing Laboratory shall perform the quality control  
services as described in the                      and supplements thereto  
specified in Item 8 of this license.
13. The licensee shall submit after the first three (3) months of operations a report containing the  
results of the required radio-  
surveys.

The licensee is hereby exempt from the requirements of Section  
y

20.203(e)(2) and 20.203(f)(2), 10 CFR 20, for areas and containers **within the plant, provided all  
entrances to the plant** are conspicuously posted in accordance with Section 20.203(e)(2) and with  
the warning, "Any area or container within this mill may contain radioactive material".

For the U. S. Atomic Energy Commission

Date

by

Division of Licensing and Regulation  
Washington 25, D.C.

26-yr2





UNITED STATES  
ATOMIC ENERGY COMMISSION

SOURCE MATERIAL LICENSE C 0 ED

Pursuant to the Atomic Energy Act of 1954, and Title 10, Code of Federal Regulations, Chapter 1, Part 40, "Licensing of Source Material," and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, possess and import the source material designated below; to use such material for the purpose(s) and at the place(s) designated below; and to deliver or transfer such material to persons authorized to receive it in accordance with the regulations in said Part. This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954 and is subject to all applicable rules, regulations, and orders of the Atomic Energy Commission, now or hereafter in effect, including Title 10, Code of Federal Regulations, Chapter 1, Part 20, "Standards for Protection Against Radiation," and to

- |  |   |
|--|---|
| <p>Licensee</p> <p>1. Name Continental Mining &amp; Milling Co.</p> <p>2. Address 208 South LaSalle Street<br/>Chicago, Illinois 60604</p> <p>6. Source Material</p> <p>Uranium and thorium.</p> | <p>3. License No.<br/>SMA</p> <p>4. Expiration Date<br/>Februarv 28. 1969</p> <p>5. Docket No.<br/>40-6811</p> <p>7. Maximum quantity of source material w<br/>licensee may possess at any one time u<br/>this license<br/>125,000 tons of residues presentl<br/>stockpiled at 50 Brown Road,<br/><u>I Robertson., Missouri</u></p> |
|--|---|

CONDITIONS

8. **Authorized use** (Unless otherwise specified, the authorized place of use is the licensee's address stated in Item 2 above.)  
Removal of stockpile residues from 50 Brown Road, Robertson, Missouri, and storage only at the licensee's facilities located at 9200 Latty Avenue, Hazelwood, Missouri, in accordance with the procedures described in the licensee's application dated February 4, 1966, and supplements dated February 7 and February 8, 1966.
9. Transfer of source material to the licensee's Hazelwood, Missouri, site is not authorized until fencing and lock gates have been installed in accordance with the licensee's submittal dated February 8, 1966.

For the U. S. ATOMIC ENERGY COMMISSION

Date of issuance

U. S. GOVERNMENT PRINTING OFFICE: 1962 O - 612 985 Don F. Harmon

COPY

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PAGE 1 of 1 PAGES

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UNITED STATES  
ATOMIC ENERGY COMMISSION

SOURCE MATERIAL  
LICENSE

Pursuant to the Atomic Energy Act of 1954, and Title 10, Code of Federal Regulations, Chapter 1, Part 40, "Licensing of Source Material," and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, possess and import the source material designated below; to use such material for the purpose(s) and at the place(s) designated below; and to deliver or transfer such material to persons authorized to receive it in accordance with the regulations in said Part. This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954 and is subject to an applicable rules, regulations, and orders of the Atomic Energy Commission, now or hereafter in effect, including Title 10, Code of Federal Regulations Chapter 1 Part 20 "Standards for Protection Against Radiation" and to

- |  |  |
|--|--|
| <p>Licensee</p> <p>1. Name      <i>Commercial Discount Corporation</i></p> <p>2. Address   <i>105 West Adams Street</i><br/>              <i>Chicago, Illinois 60603</i></p> <p>6. Source Material</p> <p>              <i>Uranium and Thorium</i></p> | <p>3. License No.</p> <p>              <i>SMC-907</i></p> <p>4. Expiration Date</p> <p>              <i>December 31, 1969</i></p> <p>S. Docket No.</p> <p>              <u><i>40-7603</i></u></p> <p>7. Maximum quantity of source material which licensee may possess at any one time under this license</p> <p>                              <i>125,000 tons of-residues</i><br/>                              <i>containing</i></p> <p>CONDITIONS</p> <p>8. <b>Authorized use (Unless otherwise specified, the authorized place of use is the licensee's address stated in Item 2 above.)</b></p> <p>              <i>For storage only in accordance with the procedures described in the licensee's application dated December 14, 1966.</i></p> <p>9. Authorized place of storage:</p> <p>                              <i>9200 Latty Avenue</i><br/>                              <i>Hazelwood, Missouri</i></p> |
|--|--|

For the U. S. ATOMIC ENERGY COMMISSION

Date of uance 7-

U. S. GOVERNMENT PRINTING OFFICE: 1965 O - 632985 F. Harmon

ATTACHMENT E

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PAGE 1 of 1 PA

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